

# Chapter 2 Part C: Zetec engine - in-car engine repair procedures

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## Degrees of difficulty

Easy, suitable for novice with little experience



Fairly easy, suitable for beginner with some experience



Fairly difficult, suitable for competent DIY mechanic



Difficult, suitable for experienced DIY mechanic



Very difficult, suitable for expert DIY or professional



## Specifications

### General

Engine type	Four-cylinder, in-line, double overhead camshaft
Engine code:	
1.6 litre models	LE
1.8 litre models	RDA, RDB
Capacity:	
1.6 litre models	1397 cc
1.8 litre models	1798 cc
Bore:	
1.6 litre models	76.0 mm
1.8 litre models	80.0 mm
Stroke - all models	88.0 mm
Compression ratio:	
1.6 litre models	10.2:1
1.8 litre models	10.0:1
Firing order	1-3-4-2 (No. 1 cylinder at timing belt-end)
Direction of crankshaft rotation	Clockwise (seen from right hand side of vehicle)

### Cylinder head

Hydraulic tappet bore inside diameter	28.280 to 28.420 mm
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### Camshafts and hydraulic tappets

Camshaft bearing journal diameter	23.960 to 23.980 mm
Camshaft bearing journal to cylinder head running clearance	0.020 to 0.070 mm
Camshaft endfloat	0.080 to 0.220 mm

### Lubrication

Engine oil type/ specification	See Chapter 1
Engine oil capacity	See Chapter 1
Oil pressure	No information available at time of writing
Oil pump clearances	No information available at time of writing

# Ford Zetec Engine Repair Manual

**S Ashworth**



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